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## (54) METHOD FOR MANUFACTURING OPTICALLY ACTIVE ALPHA-AMINO ACID

### (57)Abstract:

PROBLEM TO BE SOLVED: To provide an industrial method for manufacturing an optically active D- or L- $\alpha$ -amino acid by using D,L- $\alpha$ -amino acid amide.

SOLUTION: D,L- $\alpha$ -amino acid amide is hydrolyzed through a biochemical asymmetric hydrolysis using microbial cell bodies such as Mycoplana bullata, Mycoplana dimorpha, Rhodococcus erythropolis or Pseudomonas rosea or the like immobilized with a resin produced from a monomer of an acrylic acid ester, a methacrylic acid ester or a urethane acrylate.

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